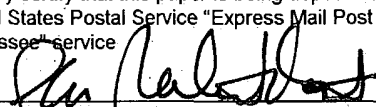


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Docket: 20.2862
Li An et al.)
)
Serial No.:) Group Art Unit:
Filed:)
) Examiner:
For: Apparatus and Methods for J-Edit Nuclear Magnetic)
Resonance Measurement)

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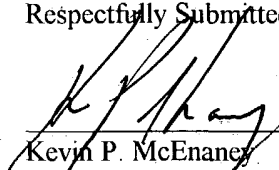
INFORMATION DISCLOSURE STATEMENT

Dear Sir:

The following documents on the Form PTO-1449 are submitted to the United States Patent and Trademark Office under provisions of 37 CFR 1.97-1.98. A copy of each reference is enclosed.

Please charge any necessary fees to the deposit account for Schlumberger Technology Corporation, Account No. 19-0610.

Respectfully Submitted,


Kevin P. McEnaney
Registration Number 46,258

Date: June 23, 2003

Schlumberger Technology Corporation
P. O. Box 2175
Houston TX 77252-2175
Tel: (281) 285-7325
Fax: (281) 285-4232

FORM PTO-1449 (Modified)

LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
20.2862

SERIAL NO.

APPLICANT: Li An et al.

FILING DATE:

GROUP

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Patentee
AA	6,111,409	08/29/00	Edwards et al.
AB	6,140,812	10/31/00	Russell et al.
AC	6,346,813	02/12/02	Kleinberg
AD			
AE			
AF			
AG			
AH			
AI			

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Translation Yes No
AJ			
AM			
AN			
AO			

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

AR	EL Hahn & DE Maxwell, "Spin Echo Measurements of Nuclear Spin Coupling in Molecules," <i>Physical Rev.</i> 88, no. 5, pp. 1070-1084 (1952)
AS	L Muller, A Kumar & RR Ernst, "Two-dimensional Carbon-13 NMR Spectroscopy," <i>J. Phys. Chem.</i> 63, pp. 5490-5491 (1975)
AT	FD Doty, RR Inners & PD Ellis, "A Multinuclear Double-Tuned Probe for Applications with Solids or Liquids utilizing Lumped Tuning Elements," <i>J. Magnetic Res.</i> 43, pp. 399-416 (1981)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.

This is not a representation that a search has been made.

FORM PTO-1449 (Modified)				ATTY. DOCKET NO. 20.2862		SERIAL NO.	
LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Li An et al.			
				FILING DATE		GROUP	
REFERENCE DESIGNATION U.S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Patentee			
	BA						
	BB						
	BC						
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	BE						
	BF						
	BG						
	BH						
	BI						
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Translation Yes No		
	BL						
	BM						
	BN						
	BO						
OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)							
	BR	MH Levitt, "Symmetrical Composite Pulse Sequences for NMR Population Inversion," <i>J. Magnetic Res.</i> 48, pp. 234-264 (1982)					
	BS	MH Leavitt & R Freeman, "NMR Population Inversion using a Composite Pulse," <i>J. Magnetic Res.</i> 33, pp. 473-476 (1979)					
	BT	SR Hartmann & EL Hahn, "Nuclear Double Resonance in the Rotating Frame," <i>Phys. Rev.</i> 128, no. 5, pp. 2042-2053 (1962)					
EXAMINER				DATE CONSIDERED			

FORM PTO-1449 (Modified)				ATTY. DOCKET NO. 20.2862		SERIAL NO.	
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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Patentee			
	CA						
	CB						
	CC						
	CD						
	CE						
	CF						
	CG						
	CH						
	CI						
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Translation Yes No		
	CL						
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	CN						
	CO						
OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)							
	CR	GA Morris & R Freeman, "Enhancement of Nuclear Magnetic Resonance Signals by Polarization Transfer," J. Am. Chem. Soc. 101, no. 3, pp. 760-762 (1970)					
	CS						
	CT						
EXAMINER				DATE CONSIDERED			